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Revised

CITY OF RIVERSIDE
HUMAN RESOURCES DEPARTMENT
CLASSIFICATION SPECIFICATION

TITLE: UTILITIES WATER SYSTEM OPERATOR I
UTILITIES WATER SYSTEM OPERATOR II

DEFINITION

Under general supervision, to perform skilled work in the operation of pumping, boosting, water treatment, control, monitoring and automation equipment for the supply and distribution of potable domestic and irrigation water; and to do related work as required.

DISTINGUISHING CHARACTERISTICS

The Utilities Water System Operator I class is the entry level in the water system operation series. Incumbents perform irrigation system operations and the more routine potable domestic system operations not requiring an appropriate operator's certificate issued by the AWWA or the State of California. Utilities Water System Operator I's are considered to be on a training status assigned responsibility and breadth of knowledge increase with experience, and they attain the appropriate operator's certificate, may expect their position to be reassigned to the journey level class of Utilities Water System Operator II.

REPORTS TO: Utilities Water System Operator Manager

EXAMPLES OF DUTIES

Typical duties may include, but are not limited to, the following:

- Operate and inspect irrigation canals; make minor repairs and participate in irrigation system repairs; clean and oil pumps and motors; clean up debris and control weeds and moss in canals.
- Operate computer and analyze automatic production system data; record flow meter and electric meter readings; change charts on flow, level, pressure, chlorine and telemetering devices; measure and record wells to determine levels of water tables in various basin areas; measure and record reservoir levels; adjust pumping schedules to maintain supply volume and pressure.
- Inspect reservoirs, wells and booster pumping stations; lubricate and adjust automatic controls; operate well and booster pump as needed to maintain reservoir levels and pressures throughout the system; operate and adjust chlorinators and pumps to maintain required chlorine residuals; operate and lubricate natural gas engines.
- Take daily water samples from designated locations to laboratory for bacteriological and water quality analyses; obtain water samples from new construction for analyses as needed.
- Operate Water Treatment Plants; including gas engines, inspect various reducing stations throughout the area; operate, keep pump houses and pumping equipment clean and in repair.
- Operate, keep clean and perform minor maintenance to assigned City vehicle.
- Assist in supervision and training of less experienced operators.

QUALIFICATIONS

UTILITIES WATER SYSTEM OPERATOR I

Knowledge of:

- Principles, operating and maintenance requirements of pumps and motors, both electric and internal combustion.
- Elementary automation, hydraulics, mechanics and electricity as applied to pumping operations.

Ability to:

- Learn to perform and interpret simple water quality tests.
- Learn safe work practices.
- Learn to interpret water system data and operate control equipment.
- Work under emergency conditions when called any time during a 24-hour period.
- Understand and follow oral and written instructions.

Education and Experience:

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: High school graduation or satisfactory equivalent.

Experience: Six month's of experience in handling mechanical equipment and tools.

NECESSARY SPECIAL REQUIREMENT

Possession of an appropriate, valid class "C" California Motor Vehicle Operator's License.

Possession of, or ability to obtain, a State of California Water Treatment Operator's Certificate, Grade I.

Possession of, or ability to obtain, a State of California Water Distribution Operator's Certificate, Grade I.

UTILITIES WATER SYSTEM OPERATOR II

In addition to the qualifications for Utilities Water System Operator I:

Knowledge of:

- Operating characteristics of the irrigation and potable domestic water system.
- City water system operating policies and procedures.
- Safe work practices.

Ability to:

- Perform all irrigation and domestic water system operations without direct supervision.
- Make independent responsible judgements in emergency situations in a manner responsive to necessary pumping operations.
- Assist in supervision and training of less experienced operators.

Education and Experience:

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: High school graduation or satisfactory equivalent.

Experience: Two year's of experience comparable to that of Utilities Water System Operator I in the City of Riverside.

MEDICAL CATEGORY: Group 2

NECESSARY SPECIAL REQUIREMENT

Possession of a State of California Water Treatment Operator's Certificate II.

Possession of a State of California Water Distribution Operator's Certificate II.

Possession of a Water Treatment Operator Grade III Certificate issued by the State of California.

Possession of a State of California Water Treatment Operator's Certificate Grade III is desirable.

Possession of a State of California Water Distribution Operator's Certificate Grade III is desirable.

CAREER ADVANCEMENT OPPORTUNITIES

FROM: Utilities Water System Operator I

TO: Utilities Water System Operator II

TO: Utilities Senior Water System Operator

TO: Utilities Chief Water System Operator